

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Spring 2012 Levee Inspection Results

Sacramento Maintenance Yard Maintenance Area 0009

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Sacramento Maintenance Yard Maintenance Area 0009

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	19.61
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/1/2012 - 5/2/2012			
DWR Inspector	John Williamson			
Accompanied By	Dave Williams Sacramento Maint.			
	Iris Flores Sacramento Maint.			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment			GPS Latitude/Longitude	Issue No.
	Levee Mile	Category					Start	End	Photo		
1	Earthen Levee	Operations & Maintenance Manuals	LS	A Ma					°	°	140
									°	°	
									DWR ID: DWR_MA0009_01_s_2012_140		
2	Earthen Levee	Emergency Supplies & Equipment	LS	A Ma					°	°	144
									°	°	
									DWR ID: DWR_MA0009_01_s_2012_144		
3	Earthen Levee	Flood Preparedness & Training	LS	A Ma					°	°	147
									°	°	
									DWR ID: DWR_MA0009_01_s_2012_147		
4	0.32 0.38	Supplemental USACE Erosion Survey	WS	M Ma	Inspector Comments: 1997 - Large cottonwoods on slope. 2003 - Some minor sloughing. 2004 - New sediment deposition on the downstream end. 2007 - New dock was installed without notification to USACE and halted the planned repair due to ROW issues. 2011: No observed change. [2011 Site ID: SAC_55-5_L]				38.536756 ° 38.536036 ° 1 -121.516107 ° -121.517087 ° Y		
									DWR ID: DWR_MA0009_01_s_2012_1		
5	0.40 0.48	Earthen Levee	Vegetation	CR A/W En	V6 : Landscaping				38.536592 ° 38.535690 ° 5 -121.515912 ° -121.516747 ° Y		
									DWR ID: DWR_MA0009_01_s_2012_5		
6	0.48 0.65	Earthen Levee	Vegetation	WSA/W En	V6 : Landscaping				38.535710 ° 38.534232 ° 6 -121.516800 ° -121.519208 ° Y		
									DWR ID: DWR_MA0009_01_s_2012_6		
7	0.53 0.65	Earthen Levee	Encroachments	LS A/W En	BU : Buildings				38.535031 ° 38.534199 ° 966 -121.517211 ° -121.519215 ° Y		
									DWR ID: DWR_MA0009_01_s_2012_966		
8	0.64 0.88	Supplemental USACE Erosion Survey	WS	M Ma	Inspector Comments: Site previously named 55.1. 2003 - Pockets of toe erosion at low flow waterline. 2005 - Site renamed 55.2. Still have pockets of erosion but rock bench at waterline is still present. 2010 - Site extended upstream due to new erosion. 2011: Some of the toe rock has failed. The upper levee slope seems to be slumping. [2011 Site ID: SAC_55-2_L]				38.534144 ° 38.533143 ° 3 -121.520263 ° -121.523010 ° Y		
									DWR ID: DWR_MA0009_01_s_2012_3		
9	0.67 0.70	Earthen Levee	Encroachments	LS A/W En	BU : Buildings				38.534097 ° 38.533907 ° 7 -121.519482 ° -121.520050 ° Y		
									DWR ID: DWR_MA0009_01_s_2012_7		
10	0.68 0.68	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.				38.533986 ° 38.533986 ° 2 -121.519714 ° -121.519714 ° Y		
									DWR ID: DWR_MA0009_01_s_2012_2		
11	0.72 0.72	Earthen Levee	Encroachments	LS M En	TR : Tree or limb				38.533770 ° 38.533770 ° 1251 -121.520452 ° -121.520452 ° Y		
									DWR ID: DWR_MA0009_01_s_2012_1251		
12	0.72 0.78	Earthen Levee	Encroachments	LS A/W En	FE : Fences				38.533810 ° 38.533495 ° 8 -121.520360 ° -121.521245 ° Y		
									DWR ID: DWR_MA0009_01_s_2012_8		

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River							Left	19.61	05/01/2012 05/02/2012	John Williamson	
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	
13	0.81	0.82	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.533250 ° -121.521718 °	38.533093 ° -121.522022 ° Y
										DWR ID: DWR_MA0009_01_s_2012_10	
14	0.84	0.86	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.532960 ° -121.522325 °	38.532858 ° -121.522625 °
										DWR ID: DWR_MA0009_01_s_2012_12	
15	0.86	0.88	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.532858 ° -121.522625 °	38.532750 ° -121.522965 ° Y
										DWR ID: DWR_MA0009_01_s_2012_13	
16	0.86	0.93	Earthen Levee	Vegetation	WS En	M	V6 : Landscaping			38.532858 ° -121.522627 °	38.532460 ° -121.523767 ° Y
										DWR ID: DWR_MA0009_01_s_2012_14	
17	0.88	0.90	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping			38.532752 ° -121.522980 °	38.532667 ° -121.523358 ° Y
										DWR ID: DWR_MA0009_01_s_2012_15	
18	0.93	0.94	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping			38.532553 ° -121.523735 °	38.532425 ° -121.524013 ° Y
										DWR ID: DWR_MA0009_01_s_2012_19	
19	0.94	0.96	Earthen Levee	Vegetation	LS En	C	V6 : Landscaping			38.532427 ° -121.524015 °	38.532297 ° -121.524328 °
										DWR ID: DWR_MA0009_01_s_2012_21	
20	0.94	0.96	Earthen Levee	Vegetation	WS En	C	V6 : Landscaping			38.532422 ° -121.524013 °	38.532293 ° -121.524327 °
										DWR ID: DWR_MA0009_01_s_2012_22	
21	0.96	0.98	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.532298 ° -121.524328 °	38.532190 ° -121.524623 °
										DWR ID: DWR_MA0009_01_s_2012_23	
22	1.00	1.02	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.532082 ° -121.524922 °	38.531977 ° -121.525233 ° Y
										DWR ID: DWR_MA0009_01_s_2012_25	
23	1.02	1.04	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.531977 ° -121.525235 °	38.531842 ° -121.525577 °
										DWR ID: DWR_MA0009_01_s_2012_27	
24	1.04	1.06	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping			38.531842 ° -121.525578 °	38.531735 ° -121.525893 ° Y
										DWR ID: DWR_MA0009_01_s_2012_28	
25	1.06	1.08	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.531737 ° -121.525895 °	38.531635 ° -121.526233 °
										DWR ID: DWR_MA0009_01_s_2012_29	
26	1.06	1.06	Supplemental USACE Erosion Survey	WS Ma	M		Inspector Comments: 2011: A large tree has fallen behind a larger tree, putting stress on an already compromised tree. Toe erosion due to wavewash. [2011 Site ID: SAC_54-8_L]			38.531417 ° -121.527589 °	38.531489 ° -121.527445 ° Y
										DWR ID: DWR_MA0009_01_s_2012_4	
27	1.10	1.14	Earthen Levee	Vegetation	LS En	A	V6 : Landscaping			38.531548 ° -121.526607 °	38.531330 ° -121.527215 °
										DWR ID: DWR_MA0009_01_s_2012_32	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

+ Issue Type
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A/W : Acceptable but Monitor & Maintain

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01 Sacramento River							Left	19.61	05/01/2012 05/02/2012	John Williamson		
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude		Issue No.
	Start	End								Start	End	
28	1.27	1.31	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping			38.529952 °	38.529420 °	33
										-121.528770 °	-121.528905 °	Y
										DWR ID: DWR_MA0009_01_s_2012_33		
29	1.29	1.29	Earthen Levee	Encroachments	WS Ma	M	TR : Tree or limb			38.529646 °	38.529646 °	26
										-121.528844 °	-121.528844 °	Y
										DWR ID: DWR_MA0009_01_s_2012_26		
30	1.31	1.34	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping			38.529412 °	38.528912 °	34
										-121.528902 °	-121.528833 °	Y
										DWR ID: DWR_MA0009_01_s_2012_34		
31	1.31	1.31	Earthen Levee	Encroachments	LS Ma	C	FW : Firewood			38.529323 °	38.529323 °	35
										-121.528897 °	-121.528897 °	
										DWR ID: DWR_MA0009_01_s_2012_35		
32	1.34	1.36	Earthen Levee	Encroachments	LS En	U	FE : Fences			38.528910 °	38.528705 °	36
										-121.528835 °	-121.528823 °	Y
										DWR ID: DWR_MA0009_01_s_2012_36		
33	1.36	1.36	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.528575 °	38.528575 °	37
										-121.528840 °	-121.528840 °	Y
										DWR ID: DWR_MA0009_01_s_2012_37		
34	1.37	1.37	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.			38.528362 °	38.528362 °	24
										-121.528798 °	-121.528798 °	Y
										DWR ID: DWR_MA0009_01_s_2012_24		
35	1.38	1.40	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.528420 °	38.528115 °	38
										-121.528820 °	-121.528802 °	Y
										DWR ID: DWR_MA0009_01_s_2012_38		
36	1.41	1.41	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping			38.527948 °	38.527948 °	1252
										-121.528726 °	-121.528726 °	Y
										DWR ID: DWR_MA0009_01_s_2012_1252		
37	1.56	1.56	Earthen Levee	Encroachments	WS En	M	TR : Tree or limb			38.526053 °	38.526053 °	57
										-121.527457 °	-121.527457 °	Y
										DWR ID: DWR_MA0009_01_s_2012_57		
38	1.62	1.63	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.525503 °	38.525402 °	39
										-121.526658 °	-121.526473 °	Y
										DWR ID: DWR_MA0009_01_s_2012_39		
39	1.88	1.92	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping			38.522895 °	38.522488 °	41
										-121.523100 °	-121.522700 °	Y
										DWR ID: DWR_MA0009_01_s_2012_41		
40	1.91	1.91	Earthen Levee	Encroachments	LS En	A/W	BU : Buildings			38.522657 °	38.522657 °	42
										-121.522880 °	-121.522880 °	Y
										DWR ID: DWR_MA0009_01_s_2012_42		
41	1.91	1.95	Supplemental USACE Erosion Survey	WS Ma	M		Inspector Comments: 2011: Erosion into upper and lower slope. There has been significant scour around the tree roots. [2011 Site ID: SAC_53-8_L]			38.520996 °	38.520606 °	20
										-121.523072 °	-121.523261 °	Y
										DWR ID: DWR_MA0009_01_s_2012_20		
42	2.04	2.04	Earthen Levee	Encroachments	LS En	A/W	BU : Buildings			38.520987 °	38.520987 °	43
										-121.522750 °	-121.522750 °	Y
										DWR ID: DWR_MA0009_01_s_2012_43		

* Location
LS : Land Side
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CR : Crown

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+ Issue Type
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En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River							Left	19.61	05/01/2012 05/02/2012	John Williamson	
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
43	2.81	2.81	Earthen Levee	Encroachments	LS	U	FE : Fences	En		38.516215 °	38.516215 ° 44
										-121.534468 °	-121.534468 ° Y
										DWR ID: DWR_MA0009_01_s_2012_44	
44	2.82	2.82	Earthen Levee	Encroachments	LS	M	BU : Buildings	En		38.516192 °	38.516192 ° 45
										-121.534672 °	-121.534672 ° Y
										DWR ID: DWR_MA0009_01_s_2012_45	
45	2.85	2.86	Earthen Levee	Vegetation	LS	U	V6 : Landscaping	En		38.516178 °	38.516170 ° 46
										-121.535130 °	-121.535347 ° Y
										DWR ID: DWR_MA0009_01_s_2012_46	
46	2.95	2.96	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En		38.516095 °	38.516067 ° 49
										-121.536918 °	-121.537200 °
										DWR ID: DWR_MA0009_01_s_2012_49	
47	2.95	2.95	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En	Inspector Comments: Pool is still there with retaining wall.	38.516040 °	-121.537020 ° 1254
										°	°
										DWR ID: DWR_MA0009_01_s_2012_1254	
48	2.96	2.98	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En		38.516067 °	38.516035 ° 50
										-121.537202 °	-121.537482 °
										DWR ID: DWR_MA0009_01_s_2012_50	
49	2.98	2.99	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En		38.516033 °	38.516002 ° 51
										-121.537483 °	-121.537768 °
										DWR ID: DWR_MA0009_01_s_2012_51	
50	2.99	3.01	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En		38.516002 °	38.515972 ° 52
										-121.537777 °	-121.538070 °
										DWR ID: DWR_MA0009_01_s_2012_52	
51	3.02	3.04	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En		38.515948 °	38.515912 ° 54
										-121.538342 °	-121.538607 °
										DWR ID: DWR_MA0009_01_s_2012_54	
52	3.02	3.02	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En		38.515947 °	38.515947 ° 53
										-121.538342 °	-121.538342 °
										DWR ID: DWR_MA0009_01_s_2012_53	
53	3.04	3.05	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En		38.515912 °	38.515888 ° 56
										-121.538607 °	-121.538897 °
										DWR ID: DWR_MA0009_01_s_2012_56	
54	3.04	3.10	Supplemental USACE Erosion Survey	WS	M	Ma	Inspector Comments: 2010 - Small section of slumping, can be fixed with maintenance. 2011: Freshly fallen tree. [2011 Site ID: SAC_52-7_L]			38.515887 °	38.515794 ° 30
										-121.540174 °	-121.540713 ° Y
										DWR ID: DWR_MA0009_01_s_2012_30	
55	3.06	3.12	Earthen Levee	Encroachments	LS	U	FE : Fences	En		38.515877 °	38.515625 ° 58
										-121.538948 °	-121.539987 ° Y
										DWR ID: DWR_MA0009_01_s_2012_58	
56	3.12	3.15	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En		38.515602 °	38.515510 ° 59
										-121.540018 °	-121.540495 °
										DWR ID: DWR_MA0009_01_s_2012_59	
57	3.15	3.16	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	En		38.515510 °	38.515487 ° 60
										-121.540493 °	-121.540782 °
										DWR ID: DWR_MA0009_01_s_2012_60	

* Location
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River								Left	19.61	05/01/2012 05/02/2012	John Williamson
LWR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
58	3.16	3.16	Earthen Levee	Encroachments	WS Ma	C	TR : Tree or limb	38.515467 ° -121.540710 °	38.515467 ° -121.540710 °	1253	
										DWR ID: DWR_MA0009_01_s_2012_1253	
59	3.16	3.18	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.515487 ° -121.540782 °	38.515420 ° -121.541030 °	61	
										DWR ID: DWR_MA0009_01_s_2012_61	
60	3.18	3.19	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.515422 ° -121.541030 °	38.515368 ° -121.541297 °	62	
										DWR ID: DWR_MA0009_01_s_2012_62	
61	3.19	3.21	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.515368 ° -121.541297 °	38.515300 ° -121.541575 °	63	
										DWR ID: DWR_MA0009_01_s_2012_63	
62	3.21	3.22	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.515297 ° -121.541577 °	38.515230 ° -121.541818 °	64	
										DWR ID: DWR_MA0009_01_s_2012_64	
63	3.22	3.23	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.515225 ° -121.541817 °	38.515158 ° -121.542068 °	65	
										DWR ID: DWR_MA0009_01_s_2012_65	
64	3.24	3.25	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.515157 ° -121.542070 °	38.515095 ° -121.542363 °	66	
										DWR ID: DWR_MA0009_01_s_2012_66	
65	3.25	3.27	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.515095 ° -121.542367 °	38.515030 ° -121.542665 °	67	
										DWR ID: DWR_MA0009_01_s_2012_67	
66	3.27	3.28	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.515032 ° -121.542667 °	38.514977 ° -121.542932 °	68	
										DWR ID: DWR_MA0009_01_s_2012_68	
67	3.27	3.29	Supplemental USACE Erosion Survey	WS Ma	M		Inspector Comments: 2004 - A large tree cave was identified. 2005 - Site repaired. 2010 - At the downstream end of the repair at 52.5, bad transition is inducing further erosion. 2011: Minor new erosion on bank. [2011 Site ID: SAC_52-4_L]	38.515300 ° -121.542755 °	38.515184 ° -121.543136 °	31	
										DWR ID: DWR_MA0009_01_s_2012_31	
68	3.28	3.30	Earthen Levee	Encroachments	LS En	U	FE : Fences	38.514973 ° -121.542932 °	38.514900 ° -121.543217 °	69	
										DWR ID: DWR_MA0009_01_s_2012_69	
69	3.30	3.31	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.514900 ° -121.543218 °	38.514845 ° -121.543470 °	70	
										DWR ID: DWR_MA0009_01_s_2012_70	
70	3.31	3.33	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.514847 ° -121.543472 °	38.514810 ° -121.543693 °	71	
							Inspector Comments: Owner has planted ice plant on the landside levee slope.			DWR ID: DWR_MA0009_01_s_2012_71	
71	3.33	3.34	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.514810 ° -121.543693 °	38.514758 ° -121.543900 °	72	
							Inspector Comments: new small retaining wall; wrought iron fence on top of wall, star jasmine on fence			DWR ID: DWR_MA0009_01_s_2012_72	

* Location
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+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector			
LMR No.	Levee Mile		Category	Item	* Location + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Start End Photo				
	Start	End					Start	End					
72	3.33	3.56	Earthen Levee	Vegetation	LS A/W	V8 : Environmental Requirements. Ob	38.514722 °	38.513632 °	100	-121.543773 °	-121.547672 °	Y	DWR ID: DWR_MA0009_01_s_2012_100
73	3.34	3.37	Earthen Levee	Encroachments	LS U	FE : Fences En	38.514713 °	38.514561 °	73	-121.543887 °	-121.544454 °	Y	DWR ID: DWR_MA0009_01_s_2012_73
74	3.60	3.62	Earthen Levee	Encroachments	LS U	FE : Fences En	38.513487 °	38.513392 °	74	-121.548467 °	-121.548823 °	Y	DWR ID: DWR_MA0009_01_s_2012_74
75	3.62	3.65	Earthen Levee	Vegetation	LS U	V6 : Landscaping En	38.513392 °	38.513290 °	75	-121.548823 °	-121.549247 °	Y	DWR ID: DWR_MA0009_01_s_2012_75
76	3.65	3.69	Earthen Levee	Encroachments	LS U	FE : Fences En	38.513290 °	38.513097 °	76	-121.549247 °	-121.550032 °	Y	DWR ID: DWR_MA0009_01_s_2012_76
77	3.69	3.71	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.513095 °	38.513027 °	77	-121.550033 °	-121.550235 °		DWR ID: DWR_MA0009_01_s_2012_77
78	3.71	3.72	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.513027 °	38.512928 °	78	-121.550237 °	-121.550500 °		DWR ID: DWR_MA0009_01_s_2012_78
79	3.72	3.74	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.512927 °	38.512803 °	79	-121.550500 °	-121.550747 °		DWR ID: DWR_MA0009_01_s_2012_79
80	3.74	3.75	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.512802 °	38.512668 °	80	-121.550747 °	-121.550983 °		DWR ID: DWR_MA0009_01_s_2012_80
81	3.75	3.77	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.512668 °	38.512550 °	81	-121.550983 °	-121.551212 °		DWR ID: DWR_MA0009_01_s_2012_81
82	3.77	3.78	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.512548 °	38.512418 °	82	-121.551212 °	-121.551428 °		DWR ID: DWR_MA0009_01_s_2012_82
83	3.78	3.80	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.512417 °	38.512283 °	83	-121.551428 °	-121.551662 °		DWR ID: DWR_MA0009_01_s_2012_83
84	3.80	3.81	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.512283 °	38.512180 °	84	-121.551662 °	-121.551847 °		DWR ID: DWR_MA0009_01_s_2012_84
85	3.81	3.82	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.512180 °	38.512052 °	85	-121.551847 °	-121.552025 °		DWR ID: DWR_MA0009_01_s_2012_85
86	3.82	3.84	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.512052 °	38.511905 °	86	-121.552027 °	-121.552210 °		DWR ID: DWR_MA0009_01_s_2012_86
87	3.84	3.85	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	38.511903 °	38.511752 °	87	-121.552212 °	-121.552373 °		DWR ID: DWR_MA0009_01_s_2012_87

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
L/MR No	Levee Mile		Category	Item	* Location + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Start End Photo	
	Start	End					Start	End		
88	3.85	3.87	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.511752 °	38.511555 °	88	
							-121.552375 °	-121.552592 °		
							DWR ID: DWR_MA0009_01_s_2012_88			
89	3.87	3.89	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.511557 °	38.511373 °	89	
							-121.552592 °	-121.552785 °		
							DWR ID: DWR_MA0009_01_s_2012_89			
90	3.89	3.90	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.511373 °	38.511205 °	90	
							-121.552787 °	-121.552950 °		
							DWR ID: DWR_MA0009_01_s_2012_90			
91	3.90	3.92	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.511205 °	38.511035 °	91	
							-121.552948 °	-121.553097 °		
							DWR ID: DWR_MA0009_01_s_2012_91			
92	3.92	3.93	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.511033 °	38.510850 °	92	
							-121.553097 °	-121.553245 °		
							DWR ID: DWR_MA0009_01_s_2012_92			
93	3.93	3.95	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.510850 °	38.510663 °	93	
							-121.553247 °	-121.553398 °		
							DWR ID: DWR_MA0009_01_s_2012_93			
94	3.95	3.96	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.510663 °	38.510482 °	94	
							-121.553400 °	-121.553543 °		
							DWR ID: DWR_MA0009_01_s_2012_94			
95	3.96	3.98	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.510480 °	38.510285 °	95	
						Inspector Comments: The owner has added stairs to the waterside slope.	-121.553543 °	-121.553682 °	Y	
							DWR ID: DWR_MA0009_01_s_2012_95			
96	3.98	3.99	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.510285 °	38.510065 °	96	
						Inspector Comments: There are stairs on the waterside levee slope	-121.553682 °	-121.553823 °	Y	
							DWR ID: DWR_MA0009_01_s_2012_96			
97	3.99	4.01	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.510065 °	38.509898 °	97	
							-121.553822 °	-121.553913 °		
							DWR ID: DWR_MA0009_01_s_2012_97			
98	4.01	4.02	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.509897 °	38.509713 °	98	
							-121.553913 °	-121.554023 °		
							DWR ID: DWR_MA0009_01_s_2012_98			
99	4.02	4.03	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.509712 °	38.509533 °	99	
							-121.554023 °	-121.554122 °		
							DWR ID: DWR_MA0009_01_s_2012_99			
100	4.05	4.07	Earthen Levee	Vegetation	LS U En	V6 : Landscaping	38.509313 °	38.509083 °	101	
						Inspector Comments: cactus and unpermitted landscape	-121.554242 °	-121.554355 °	Y	
							DWR ID: DWR_MA0009_01_s_2012_101			
101	4.07	4.08	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.509082 °	38.508875 °	102	
							-121.554355 °	-121.554448 °	Y	
							DWR ID: DWR_MA0009_01_s_2012_102			
102	4.08	4.10	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	38.508873 °	38.508680 °	103	
							-121.554448 °	-121.554537 °		
							DWR ID: DWR_MA0009_01_s_2012_103			

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River							Left	19.61	05/01/2012 05/02/2012	John Williamson	
MR No	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	
103	4.11	4.13	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.508490 ° 38.508297 ° 105 -121.554647 ° -121.554747 ° DWR ID: DWR_MA0009_01_s_2012_105	
104	4.11	4.11	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.508488 ° 38.508488 ° 104 -121.554647 ° -121.554647 ° DWR ID: DWR_MA0009_01_s_2012_104	
105	4.13	4.14	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.508297 ° 38.508155 ° 106 -121.554748 ° -121.554842 ° DWR ID: DWR_MA0009_01_s_2012_106	
106	4.17	4.20	Earthen Levee	Encroachments	LS En	U	FE : Fences			38.507720 ° 38.507375 ° 108 -121.555128 ° -121.555348 ° Y DWR ID: DWR_MA0009_01_s_2012_108	
107	4.23	4.25	Earthen Levee	Encroachments	LS En	U	FE : Fences			38.506937 ° 38.506617 ° 109 -121.555557 ° -121.555678 ° Y DWR ID: DWR_MA0009_01_s_2012_109	
108	4.25	4.28	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.506613 ° 38.506325 ° 110 -121.555680 ° -121.555792 ° DWR ID: DWR_MA0009_01_s_2012_110	
109	4.28	4.30	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.506323 ° 38.506018 ° 111 -121.555788 ° -121.555907 ° DWR ID: DWR_MA0009_01_s_2012_111	
110	4.30	4.32	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	Inspector Comments: Chain link fence leaning towards house.			38.506017 ° 38.505682 ° 112 -121.555907 ° -121.556047 ° Y DWR ID: DWR_MA0009_01_s_2012_112
111	4.31	4.41	Earthen Levee	Vegetation	LS Ob	A/W	V8 : Environmental Requirements.			38.505815 ° 38.504553 ° 107 -121.556012 ° -121.556423 ° Y DWR ID: DWR_MA0009_01_s_2012_107	
112	4.34	4.37	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.505375 ° 38.505050 ° 114 -121.556150 ° -121.556225 ° DWR ID: DWR_MA0009_01_s_2012_114	
113	4.37	4.39	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.505048 ° 38.504732 ° 115 -121.556225 ° -121.556350 ° DWR ID: DWR_MA0009_01_s_2012_115	
114	4.39	4.41	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.504728 ° 38.504413 ° 116 -121.556350 ° -121.556447 ° DWR ID: DWR_MA0009_01_s_2012_116	
115	4.41	4.43	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.504413 ° 38.504162 ° 117 -121.556443 ° -121.556527 ° DWR ID: DWR_MA0009_01_s_2012_117	
116	4.43	4.45	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.504160 ° 38.503882 ° 118 -121.556528 ° -121.556608 ° DWR ID: DWR_MA0009_01_s_2012_118	
117	4.45	4.47	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.503883 ° 38.503677 ° 119 -121.556608 ° -121.556657 ° DWR ID: DWR_MA0009_01_s_2012_119	

* Location
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** Rating
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+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
LMR No.	Levee Mile		Category	Item	* Location Start	** Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start
	Levee Mile	Start						Photo	End	
118	4.47	4.49	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.503670 °	38.503403 °	120 -121.556658 ° -121.556758 ° DWR ID: DWR_MA0009_01_s_2012_120
119	4.49	4.50	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.503403 °	38.503185 °	121 -121.556760 ° -121.556865 ° DWR ID: DWR_MA0009_01_s_2012_121
120	4.50	4.52	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.503185 °	38.502960 °	122 -121.556865 ° -121.556963 ° DWR ID: DWR_MA0009_01_s_2012_122
121	4.50	4.50	Earthen Levee	Encroachments	LS	M	BU : Buildings En	38.503162 °	38.503162 °	123 -121.556870 ° -121.556870 ° Y DWR ID: DWR_MA0009_01_s_2012_123
122	4.52	4.54	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.502960 °	38.502743 °	124 -121.556963 ° -121.557110 ° DWR ID: DWR_MA0009_01_s_2012_124
123	4.54	4.55	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.502743 °	38.502532 °	125 -121.557115 ° -121.557245 ° DWR ID: DWR_MA0009_01_s_2012_125
124	4.55	4.57	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.502532 °	38.502317 °	126 -121.557247 ° -121.557360 ° DWR ID: DWR_MA0009_01_s_2012_126
125	4.57	4.59	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.502315 °	38.502097 °	127 -121.557360 ° -121.557442 ° DWR ID: DWR_MA0009_01_s_2012_127
126	4.59	4.60	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.502098 °	38.501833 °	128 -121.557443 ° -121.557537 ° DWR ID: DWR_MA0009_01_s_2012_128
127	4.60	4.63	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.501832 °	38.501523 °	129 -121.557537 ° -121.557623 ° DWR ID: DWR_MA0009_01_s_2012_129
128	4.69	4.75	Earthen Levee	Encroachments	LS	U	FE : Fences En	38.500680 °	38.499735 °	130 -121.557755 ° -121.557807 ° Y DWR ID: DWR_MA0009_01_s_2012_130
129	4.73	4.73	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.500028 °	38.500028 °	113 -121.557798 ° -121.557798 ° Y DWR ID: DWR_MA0009_01_s_2012_113
130	4.75	4.79	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.499713 °	38.499225 °	131 -121.557805 ° -121.557802 ° Y DWR ID: DWR_MA0009_01_s_2012_131
131	4.93	4.99	Earthen Levee	Vegetation	LS	A/W	V6 : Landscaping En	38.497265 °	38.496430 °	133 -121.557407 ° -121.557097 ° DWR ID: DWR_MA0009_01_s_2012_133
132	4.99	5.03	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.496393 °	38.495905 °	135 -121.557087 ° -121.556833 ° Y DWR ID: DWR_MA0009_01_s_2012_135
133	5.02	5.02	Earthen Levee	Encroachments	LS	A/W	BU : Buildings En	38.496033 °	38.496033 °	136 -121.556905 ° -121.556905 ° Y DWR ID: DWR_MA0009_01_s_2012_136

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End					Start	End	Photo		
134	5.03	5.04	Earthen Levee	Vegetation	LS	U	V6 : Landscaping En			38.495905 ° 38.495732 ° 137 -121.556835 ° -121.556718 ° Y DWR ID: DWR_MA0009_01_s_2012_137	
135	5.04	5.04	Earthen Levee	Encroachments	LS A/W	BU	Buildings En			38.495728 ° 38.495728 ° 138 -121.556717 ° -121.556717 ° Y DWR ID: DWR_MA0009_01_s_2012_138	
136	5.05	5.05	Earthen Levee	Encroachments	LS A/W	BU	Buildings En			38.495617 ° 38.495617 ° 139 -121.556635 ° -121.556635 ° Y DWR ID: DWR_MA0009_01_s_2012_139	
137	5.14	5.22	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En			38.494467 ° 38.493453 ° 141 -121.555767 ° -121.555075 ° Y DWR ID: DWR_MA0009_01_s_2012_141	
138	5.23	5.29	Earthen Levee	Encroachments	LS	U	FE : Fences En			38.493337 ° 38.492628 ° 142 -121.554985 ° -121.554375 ° Y DWR ID: DWR_MA0009_01_s_2012_142	
139	5.29	5.33	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En			38.492628 ° 38.492118 ° 143 -121.554378 ° -121.553970 ° Y DWR ID: DWR_MA0009_01_s_2012_143	
140	5.31	5.31	Earthen Levee	Encroachments	LS	U	BU : Buildings En			38.492470 ° 38.492470 ° 145 -121.554265 ° -121.554265 ° Y DWR ID: DWR_MA0009_01_s_2012_145	
141	5.33	5.40	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En			38.492117 ° 38.491357 ° 146 -121.553967 ° -121.553313 ° DWR ID: DWR_MA0009_01_s_2012_146	
142	5.35	5.35	Supplemental USACE Erosion Survey	WS	M	Ma	Inspector Comments: 2011: Tree popout at the toe has taken out the rock toe protection. [2011 Site ID: SAC_50-3_L]			38.490892 ° 38.491086 ° 47 -121.553352 ° -121.553540 ° Y DWR ID: DWR_MA0009_01_s_2012_47	
143	5.40	5.44	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En			38.491358 ° 38.490938 ° 148 -121.553313 ° -121.552923 ° Y DWR ID: DWR_MA0009_01_s_2012_148	
144	5.49	5.51	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En			38.490277 ° 38.490053 ° 149 -121.552368 ° -121.552138 ° DWR ID: DWR_MA0009_01_s_2012_149	
145	5.51	5.53	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En			38.490053 ° 38.489812 ° 150 -121.552138 ° -121.551965 ° DWR ID: DWR_MA0009_01_s_2012_150	
146	5.53	5.55	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En			38.489815 ° 38.489592 ° 151 -121.551968 ° -121.551802 ° DWR ID: DWR_MA0009_01_s_2012_151	
147	5.55	5.81	Earthen Levee	Vegetation	WSA/W		V8 : Environmental Requirements. Ob			38.489618 ° 38.486343 ° 132 -121.551803 ° -121.549348 ° Y DWR ID: DWR_MA0009_01_s_2012_132	
148	5.55	5.58	Earthen Levee	Vegetation	LS	U	V6 : Landscaping En			38.489592 ° 38.489222 ° 152 -121.551800 ° -121.551543 ° Y DWR ID: DWR_MA0009_01_s_2012_152	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01 Sacramento River							Left	19.61	05/01/2012 05/02/2012	John Williamson		
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude		Issue No.
	Start	End								Start	End	
149	5.58	5.60	Earthen Levee	Encroachments	LS En	U	FE : Fences			38.489218 °	38.488952 °	153
										-121.551542 °	-121.551345 °	Y
										DWR ID: DWR_MA0009_01_s_2012_153		
150	5.98	6.06	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.484248 °	38.483265 °	155
										-121.547885 °	-121.547243 °	Y
										DWR ID: DWR_MA0009_01_s_2012_155		
151	6.20	6.28	Earthen Levee	Vegetation	WSA/W Ob	V8	: Environmental Requirements.			38.481455 °	38.480537 °	134
										-121.545708 °	-121.545092 °	Y
										DWR ID: DWR_MA0009_01_s_2012_134		
152	6.90	6.90	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping			38.475062 °	38.475062 °	156
										-121.536438 °	-121.536438 °	Y
										DWR ID: DWR_MA0009_01_s_2012_156		
153	6.96	6.96	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.474890 °	38.474890 °	157
										-121.535450 °	-121.535450 °	
										DWR ID: DWR_MA0009_01_s_2012_157		
154	7.32	7.32	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.474848 °	38.474848 °	158
										-121.528808 °	-121.528808 °	Y
										DWR ID: DWR_MA0009_01_s_2012_158		
155	7.38	7.39	Earthen Levee	Encroachments	LS En	U	FE : Fences			38.474888 °	38.474917 °	159
										-121.527813 °	-121.527503 °	Y
										DWR ID: DWR_MA0009_01_s_2012_159		
156	7.52	7.55	Earthen Levee	Encroachments	LS En	U	FE : Fences			38.475170 °	38.475225 °	162
										-121.525220 °	-121.524653 °	Y
										DWR ID: DWR_MA0009_01_s_2012_162		
157	7.55	7.58	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.475223 °	38.475277 °	163
										-121.524652 °	-121.524128 °	
										DWR ID: DWR_MA0009_01_s_2012_163		
158	7.58	7.69	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.475282 °	38.475377 °	164
										-121.524130 °	-121.522092 °	
										DWR ID: DWR_MA0009_01_s_2012_164		
159	8.60	8.60	Earthen Levee	Encroachments	CR En	M	BU : Buildings			38.472737 °	38.472737 °	11
										-121.506213 °	-121.506213 °	Y
										DWR ID: DWR_MA0009_01_s_2012_11		
160	8.85	10.63	Earthen Levee	Encroachments	CR En	M	EQ : Equipment			38.469873 °	38.444723 °	166
										-121.503680 °	-121.500283 °	Y
										DWR ID: DWR_MA0009_01_s_2012_166		
161	8.98	8.98	Earthen Levee	Encroachments	LS Ma	A/W	EQ : Equipment			38.468098 °	-121.503420 °	1257
										°	°	Y
										DWR ID: DWR_MA0009_01_s_2012_1257		

* Location
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** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location Start	** Rating +	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End					Ma	Start	End	Photo	
162	9.07	9.22	Supplemental USACE Erosion Survey	WS	M		Inspector Comments: Site identified by DWR MA and flood fought following the 2010 storm events. 2010 - Railroad on levee, may be an encroachment; DWR flood fought in January 2010. Eroding of the upper and middle bank, lots from people. 2011: Site continues to worsen. More erosion at the toe. [2011 Site ID: SAC_46-7_L]	38.464885 °	38.464443 °	48	
								-121.503448 °	-121.503370 °	Y	
163	9.20	9.20	Earthen Levee	Erosion / Bank Caving	WSA/W	E1	Note and monitor erosion site.	38.464895 °	38.464895 °	951	
						Ma	Inspector Comments: GPS point is upstream of site. Raincoat was placed last winter to help prevent more erosion. Raincoat is torn and weathered needs to be replaced until repaired.	-121.503212 °	-121.503212 °	Y	
										DWR ID: DWR_MA0009_01_s_2012_48	
164	9.31	9.71	Earthen Levee	Encroachments	LS	A/W	BU : Buildings	38.463387 °	38.457777 °	17	
						En	Inspector Comments: This is the town of Freeport wth landscape, buildings, and fences along the landside toe. Because of the railroad tracks this is a difficult area to maintain and patrol.	-121.502815 °	-121.501105 °	Y	
										DWR ID: DWR_MA0009_01_s_2012_17	
165	9.31	9.33	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	38.463265 °	38.463007 °	168	
						En		-121.502870 °	-121.502712 °		
										DWR ID: DWR_MA0009_01_s_2012_168	
166	9.34	9.34	Earthen Levee	Encroachments	LS	M	FE : Fences	38.462900 °	38.462900 °	169	
						En		-121.502762 °	-121.502762 °		
										DWR ID: DWR_MA0009_01_s_2012_169	
167	9.35	9.35	Earthen Levee	Encroachments	LS	M	BU : Buildings	38.462803 °	38.462803 °	170	
						En		-121.502747 °	-121.502747 °		
										DWR ID: DWR_MA0009_01_s_2012_170	
168	9.35	9.35	Earthen Levee	Encroachments	LS	M	FE : Fences	38.462728 °	38.462728 °	171	
						En		-121.502727 °	-121.502727 °		
										DWR ID: DWR_MA0009_01_s_2012_171	
169	9.36	9.36	Earthen Levee	Encroachments	LS	M	BU : Buildings	38.462643 °	38.462643 °	172	
						En		-121.502677 °	-121.502677 °		
										DWR ID: DWR_MA0009_01_s_2012_172	
170	9.36	9.36	Earthen Levee	Encroachments	LS	M	FE : Fences	38.462598 °	38.462598 °	173	
						En		-121.502668 °	-121.502668 °		
										DWR ID: DWR_MA0009_01_s_2012_173	
171	9.37	9.37	Earthen Levee	Encroachments	LS	M	BU : Buildings	38.462535 °	38.462535 °	174	
						En		-121.502658 °	-121.502658 °		
										DWR ID: DWR_MA0009_01_s_2012_174	
172	9.41	9.41	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	38.461970 °	38.461970 °	175	
						En		-121.502422 °	-121.502420 °		
										DWR ID: DWR_MA0009_01_s_2012_175	
173	9.41	9.41	Earthen Levee	Encroachments	LS	M	BU : Buildings	38.461955 °	38.461955 °	176	
						En		-121.502437 °	-121.502437 °		
										DWR ID: DWR_MA0009_01_s_2012_176	
174	9.41	9.41	Earthen Levee	Vegetation	LS	M	V6 : Landscaping	38.461955 °	38.461955 °	177	
						En		-121.502437 °	-121.502437 °		
										DWR ID: DWR_MA0009_01_s_2012_177	

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River								Left	19.61	05/01/2012 05/02/2012	John Williamson
LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
175	9.48	9.48	Earthen Levee	Encroachments	LS En	M	BU : Buildings	38.460995 °	38.460995 °	178	
								-121.502093 °	-121.502093 °		
								DWR ID: DWR_MA0009_01_s_2012_178			
176	9.50	9.50	Earthen Levee	Encroachments	LS En	M	FE : Fences	38.460717 °	38.460717 °	179	
								-121.502172 °	-121.502172 °		
								DWR ID: DWR_MA0009_01_s_2012_179			
177	9.50	9.51	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.460717 °	38.460392 °	180	
								-121.502172 °	-121.502310 °		
								DWR ID: DWR_MA0009_01_s_2012_180			
178	9.51	9.60	Earthen Levee	Encroachments	LS En	M	FE : Fences	38.460392 °	38.459377 °	181	
								-121.502310 °	-121.501568 °		
								DWR ID: DWR_MA0009_01_s_2012_181			
179	9.60	9.60	Earthen Levee	Encroachments	LS En	M	BU : Buildings	38.459268 °	38.459268 °	182	
								-121.501492 °	-121.501492 °		
								DWR ID: DWR_MA0009_01_s_2012_182			
180	9.60	9.63	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.459268 °	38.458917 °	183	
								-121.501492 °	-121.501357 °		
								DWR ID: DWR_MA0009_01_s_2012_183			
181	9.67	9.67	Earthen Levee	Encroachments	LS En	A/W	BU : Buildings	38.458275 °	38.458275 °	184	
								Inspector Comments: Freeport bait shop	-121.501338 °	-121.501338 °	
									Y		
								DWR ID: DWR_MA0009_01_s_2012_184			
182	9.67	9.69	Earthen Levee	Vegetation	WS En	M	V6 : Landscaping	38.458242 °	38.458018 °	186	
								-121.501340 °	-121.501317 °		
								DWR ID: DWR_MA0009_01_s_2012_186			
183	9.67	9.70	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.458242 °	38.457873 °	185	
								-121.501340 °	-121.501290 °		
								DWR ID: DWR_MA0009_01_s_2012_185			
184	10.63	19.52	Earthen Levee	Vegetation	WS Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	38.444525 °	38.347838 °	9	
								-121.500270 °	-121.535352 °		
								DWR ID: DWR_MA0009_01_s_2012_9			
185	10.64	10.64	Earthen Levee	Encroachments	WSA/W En	BU : Buildings	Inspector Comments: Cliff's Marina flood wall was added in 2007. No O&M Manual has been received.	38.444595 °	38.444595 °	188	
								-121.500277 °	-121.500277 °		
								DWR ID: DWR_MA0009_01_s_2012_188			
186	10.82	10.82	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.442057 °	38.442057 °	221	
								-121.501180 °	-121.501180 °		
								DWR ID: DWR_MA0009_01_s_2012_221			
187	10.89	10.89	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.441133 °	38.441133 °	220	
								-121.501632 °	-121.501632 °		
								DWR ID: DWR_MA0009_01_s_2012_220			
188	10.94	10.94	Earthen Levee	Vegetation	LS A/W	V6 : Landscaping	En	38.440577 °	38.440577 °	219	
								-121.502058 °	-121.502058 °		
								DWR ID: DWR_MA0009_01_s_2012_219			
189	11.08	11.08	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.438938 °	38.438938 °	217	
								-121.503608 °	-121.503608 °		
								DWR ID: DWR_MA0009_01_s_2012_217			

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+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River							Left	19.61	05/01/2012 05/02/2012	John Williamson	
LMR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start End Photo	
	Start	End						Start	End		
190	11.14	11.14	Earthen Levee	Vegetation	LS	A/W	V6 : Landscaping En	38.438320 °	38.438320 °	216 -121.504243 °	-121.504243 ° Y DWR ID: DWR_MA0009_01_s_2012_216
191	11.18	11.18	Earthen Levee	Vegetation	LS	A/W	V6 : Landscaping En	38.437920 °	38.437920 °	215 -121.504773 °	-121.504773 ° Y DWR ID: DWR_MA0009_01_s_2012_215
192	11.21	11.21	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.437613 °	38.437613 °	214 -121.505243 °	-121.505243 ° Y DWR ID: DWR_MA0009_01_s_2012_214
193	11.32	11.32	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.436662 °	38.436662 °	213 -121.506745 °	-121.506745 ° DWR ID: DWR_MA0009_01_s_2012_213
194	11.36	19.58	Earthen Levee	Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes Ma and easements.	38.436333 °	38.346922 °	16 -121.507540 °	-121.536122 ° Y DWR ID: DWR_MA0009_01_s_2012_16
195	11.46	11.46	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.435585 °	38.435585 °	212 -121.508928 °	-121.508928 ° Y DWR ID: DWR_MA0009_01_s_2012_212
196	11.50	11.50	Earthen Levee	Vegetation	LS	A/W	V6 : Landscaping En	38.435385 °	38.435385 °	211 -121.509577 °	-121.509577 ° Y DWR ID: DWR_MA0009_01_s_2012_211
197	11.67	11.67	Earthen Levee	Encroachments	LS	M	BU : Buildings En Inspector Comments: Building with some landscaping in front of it.	38.434465 °	38.434465 °	210 -121.512453 °	-121.512453 ° Y DWR ID: DWR_MA0009_01_s_2012_210
198	11.68	11.68	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.434413 °	38.434413 °	209 -121.512623 °	-121.512623 ° Y DWR ID: DWR_MA0009_01_s_2012_209
199	11.91	11.91	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma Inspector Comments: The pipes are still in place. They are thought to be abandoned and possibly grouted. No records found.		38.434035 °	-121.516780 °	1258 ° °	DWR ID: DWR_MA0009_01_s_2012_1258
200	12.14	12.14	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.433977 °	38.433977 °	208 -121.520955 °	-121.520955 ° Y DWR ID: DWR_MA0009_01_s_2012_208
201	12.54	12.54	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	38.433543 °	38.433543 °	225 -121.528113 °	-121.528113 ° Y DWR ID: DWR_MA0009_01_s_2012_225
202	12.85	12.85	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma Inspector Comments: Pipe is still in place.		38.430461 °	-121.531540 °	1259 ° °	DWR ID: DWR_MA0009_01_s_2012_1259
203	12.90	12.90	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En Inspector Comments: Scribners main house.	38.429872 °	38.429872 °	207 -121.531310 °	-121.531310 ° Y DWR ID: DWR_MA0009_01_s_2012_207
204	13.60	13.60	Earthen Levee	Vegetation	LS	A/W	V6 : Landscaping En	38.421237 °	38.421237 °	206 -121.524858 °	-121.524858 ° Y DWR ID: DWR_MA0009_01_s_2012_206

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River							Left	19.61	05/01/2012 05/02/2012	John Williamson	
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
205	14.43	14.43	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.411062 ° -121.517315 °	38.411062 ° -121.517315 ° Y
										DWR ID: DWR_MA0009_01_s_2012_205	
206	14.93	14.93	Earthen Levee	Encroachments	LS En	A/W	FE : Fences			38.404527 ° -121.513715 °	38.404527 ° -121.513715 ° Y
										DWR ID: DWR_MA0009_01_s_2012_957	
207	15.29	15.29	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.399591 ° -121.512055 °	38.399591 ° -121.512055 ° Y
										DWR ID: DWR_MA0009_01_s_2012_55	
208	15.73	15.73	Earthen Levee	Vegetation	LS Ma	A/W	V4 : Elderberries are blocking visibility and flood fight capability.			38.393279 ° -121.512142 °	38.393279 ° -121.512142 °
										DWR ID: DWR_MA0009_01_s_2012_204	
209	15.94	15.94	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.			38.390347 ° -121.512493 °	38.390347 ° -121.512493 ° Y
										DWR ID: DWR_MA0009_01_s_2012_203	
210	16.01	16.12	Earthen Levee	Encroachments	LS En	M	FE : Fences			38.389423 ° -121.512783 °	38.387844 ° -121.513395 ° Y
										DWR ID: DWR_MA0009_01_s_2012_965	
211	16.15	16.32	Earthen Levee	Vegetation	LS En	A/W	V6 : Landscaping			38.387458 ° -121.513543 °	38.385250 ° -121.514923 ° Y
										DWR ID: DWR_MA0009_01_s_2012_202	
212	16.22	16.22	Earthen Levee	Vegetation	WSA/W Ma	V4	Elderberries are blocking visibility and flood fight capability.			38.386542 ° -121.514111 °	38.386542 ° -121.514111 °
										DWR ID: DWR_MA0009_01_s_2012_952	
213	16.34	16.66	Earthen Levee	Encroachments	LS En	M	FE : Fences			38.385070 ° -121.515143 °	38.381971 ° -121.519487 ° Y
										DWR ID: DWR_MA0009_01_s_2012_964	
214	16.36	16.36	Earthen Levee	Vegetation	WSA/W Ma	V4	Elderberries are blocking visibility and flood fight capability.			38.384924 ° -121.515363 °	38.384924 ° -121.515363 °
										DWR ID: DWR_MA0009_01_s_2012_953	
215	17.14	17.14	Earthen Levee	Animal Control	LS Ma	C	A1 : Exterminate rodents and backfill and compact or grout burrows.			38.376409 ° -121.523416 °	38.376409 ° -121.523416 °
										DWR ID: DWR_MA0009_01_s_2012_1246	
216	17.35	17.35	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.373798 ° -121.522138 °	38.373798 ° -121.522138 ° Y
										DWR ID: DWR_MA0009_01_s_2012_200	
217	17.59	17.59	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.370453 ° -121.520878 °	38.370453 ° -121.520878 ° Y
										DWR ID: DWR_MA0009_01_s_2012_199	
218	17.69	17.75	Earthen Levee	Encroachments	WSA/W En	BU	Buildings			38.369102 ° -121.520500 °	38.368225 ° -121.520298 ° Y
										DWR ID: DWR_MA0009_01_s_2012_189	

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 01 Sacramento River							Left	19.61	05/01/2012 05/02/2012	John Williamson		
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude		Issue No.
	Start	End								Start	End	
219	17.85	17.85	Earthen Levee	Encroachments	LS En	M	BU : Buildings Inspector Comments: Pumphouse downstream of the Town of Hood.			38.366900 °	38.366900 °	198
										-121.520022 °	-121.520022 °	Y
										DWR ID: DWR_MA0009_01_s_2012_198		
220	18.31	18.31	Earthen Levee	Encroachments	LS En	M	FE : Fences			38.360380 °	38.360380 °	40
										-121.520776 °	-121.520776 °	Y
										DWR ID: DWR_MA0009_01_s_2012_40		
221	18.40	18.40	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.359500 °	38.359500 °	197
										-121.521797 °	-121.521797 °	Y
										DWR ID: DWR_MA0009_01_s_2012_197		
222	18.57	18.57	Earthen Levee	Encroachments	LS En	A/W	FE : Fences			38.358278 °	38.358278 °	956
										-121.524323 °	-121.524323 °	Y
										DWR ID: DWR_MA0009_01_s_2012_956		
223	18.95	18.95	Earthen Levee	Vegetation	WSA/W Ma	V4	Elderberries are blocking visibility and flood fight capability.			38.354253 °	38.354253 °	190
										-121.528928 °	-121.528928 °	
										DWR ID: DWR_MA0009_01_s_2012_190		
224	19.00	19.06	Earthen Levee	Vegetation	WSA/W Ma	V4	Elderberries are blocking visibility and flood fight capability.			38.353785 °	38.353038 °	192
										-121.529430 °	-121.530123 °	
										DWR ID: DWR_MA0009_01_s_2012_192		
225	19.06	19.06	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.352902 °	38.352902 °	196
										-121.530038 °	-121.530038 °	Y
										DWR ID: DWR_MA0009_01_s_2012_196		
226	19.18	19.18	Earthen Levee	Vegetation	WSA/W Ma	V4	Elderberries are blocking visibility and flood fight capability.			38.351783 °	38.351783 °	193
										-121.531403 °	-121.531403 °	
										DWR ID: DWR_MA0009_01_s_2012_193		
227	19.18	19.22	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping			38.351662 °	38.351197 °	194
										-121.531330 °	-121.531785 °	Y
										DWR ID: DWR_MA0009_01_s_2012_194		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.32
End Levee Mile	0.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

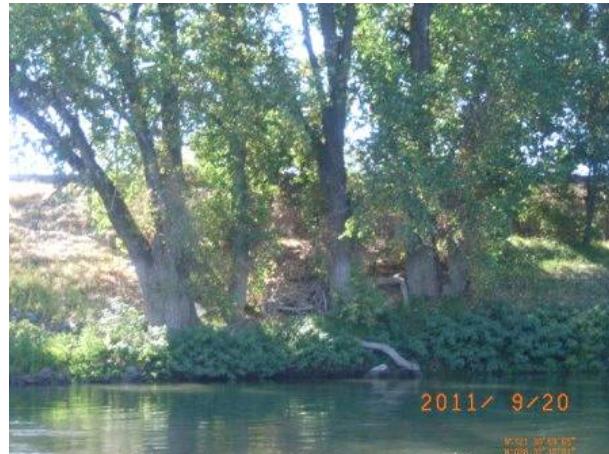
johngw_s_20120313_020.jpg



Levee Mile Report Line	4
Start Levee Mile	0.32
End Levee Mile	0.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

johngw_s_20120313_021.jpg



Levee Mile Report Line	4
Start Levee Mile	0.32
End Levee Mile	0.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

johngw_s_20120313_022.jpg



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

N : Not Inspected/Rated
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+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.40
End Levee Mile	0.48
Location	Crown
Category	Earthen Levee
Item	Vegetation
A view of the parking area and landscape. Fall 2011	
<i>johngw_s_20120313_029.jpg</i>	



Levee Mile Report Line	6
Start Levee Mile	0.48
End Levee Mile	0.65
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Landscape on the waterside at Le Rivage Hotel. Fall 2011	
<i>johngw_s_20120313_030.jpg</i>	



Levee Mile Report Line	6
Start Levee Mile	0.48
End Levee Mile	0.65
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The landscape that is planted on the crown of the levee. Fall 2011	
<i>johngw_s_20120313_031.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	6
Start Levee Mile	0.48
End Levee Mile	0.65
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This is the seasonal wedding tent in the flood plan. Photo taken spring 2012.

johngw_s_20120504_749.jpg



Levee Mile Report Line	7
Start Levee Mile	0.53
End Levee Mile	0.65
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Hotel and restaurant at old Captain's Table, Le Rivage Hotel. Fall 2011

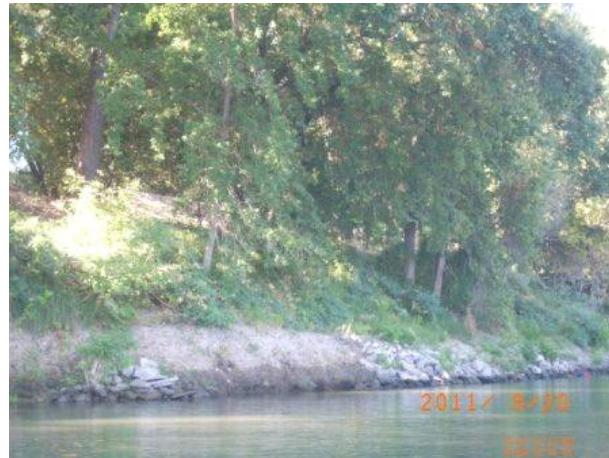
johngw_s_20120313_121.jpg



Levee Mile Report Line	8
Start Levee Mile	0.64
End Levee Mile	0.88
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

johngw_s_20120313_024.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	8
Start Levee Mile	0.64
End Levee Mile	0.88
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

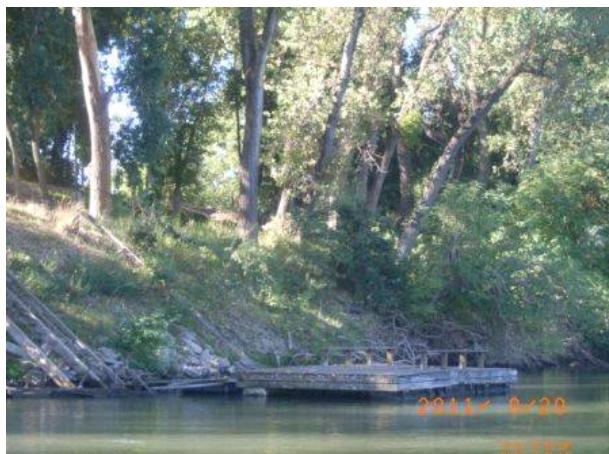
USACE 2011 Photo #2



johngw_s_20120313_025.jpg

Levee Mile Report Line	8
Start Levee Mile	0.64
End Levee Mile	0.88
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3



johngw_s_20120313_026.jpg

Levee Mile Report Line	9
Start Levee Mile	0.67
End Levee Mile	0.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The apartments are within the easement of the levee toe.



johngw_s_20120313_032.jpg

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	10
Start Levee Mile	0.68
End Levee Mile	0.68
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
The trees need trimming that are located at the apartments. Fall 2011	
johngw_s_20120313_023.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.72
End Levee Mile	0.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Tree limbs and brush at the toe left from trimming trees. Fall 2011	
johngw_s_20120313_128.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.72
End Levee Mile	0.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The block wall fence is located at the toe of the levee.	
johngw_s_20120313_033.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	13
Start Levee Mile	0.81
End Levee Mile	0.82
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The groundcover (ivy) covers the levee slope.
Photo taken spring 2012.

johngw_s_20120504_750.jpg



Levee Mile Report Line	15
Start Levee Mile	0.86
End Levee Mile	0.88
Location	Land Side
Category	Earthen Levee
Item	Vegetation

A view of the landscape and stairs. Photo taken spring 2012.

johngw_s_20120504_751.jpg



Levee Mile Report Line	16
Start Levee Mile	0.86
End Levee Mile	0.93
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The groundcover (ivy) covers the levee slope and climbs the trees. Photo taken spring 2012

johngw_s_20120504_752.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	17
Start Levee Mile	0.88
End Levee Mile	0.90
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Ivy groundcover completely covers the ground and makes it hard too see seepage. Fall 2011	johngw_s_20120313_035.jpg



Levee Mile Report Line	18
Start Levee Mile	0.93
End Levee Mile	0.94
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscape shrubs and trees are blocking visibility of the levee slope. Fall 2011	johngw_s_20120313_036.jpg



Levee Mile Report Line	22
Start Levee Mile	1.00
End Levee Mile	1.02
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Ivy groundcover covers part of the levee slope and wood debris from trimmings is left at the toe. Fall 2011	johngw_s_20120313_041.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	22
Start Levee Mile	1.00
End Levee Mile	1.02
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Groundcover is climbing into the trees. Photo taken spring 2012.	
<i>johngw_s_20120504_753.jpg</i>	



Levee Mile Report Line	24
Start Levee Mile	1.04
End Levee Mile	1.06
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The overgrown landscape makes it hard to see.	
<i>johngw_s_20120313_044.jpg</i>	



Levee Mile Report Line	26
Start Levee Mile	1.06
End Levee Mile	1.06
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
<i>johngw_s_20120313_027.jpg</i>	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	26
Start Levee Mile	1.06
End Levee Mile	1.06
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
johngw_s_20120313_028.jpg	



Levee Mile Report Line	28
Start Levee Mile	1.27
End Levee Mile	1.31
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The trees and vegetation makes it hard to see through to the toe. Fall 2011	
johngw_s_20120313_050.jpg	



Levee Mile Report Line	29
Start Levee Mile	1.29
End Levee Mile	1.29
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A large cottonwood tree at toe of levee fell. Fall 2011	
johngw_s_20120313_042.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	29
Start Levee Mile	1.29
End Levee Mile	1.29
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The rootball took a small divot out of the toe of the levee. Fall 2011	
johngw_s_20120313_043.jpg	



Levee Mile Report Line	30
Start Levee Mile	1.31
End Levee Mile	1.34
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Hedges block the view of the toe and backyard.	
johngw_s_20120313_051.jpg	



Levee Mile Report Line	32
Start Levee Mile	1.34
End Levee Mile	1.36
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The wooden fence along the toe is hard to see through.	
johngw_s_20120313_053.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	33
Start Levee Mile	1.36
End Levee Mile	1.36
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The groundcover covers the levee slope. Photo taken spring 2012.	
johngw_s_20120504_754.jpg	



Levee Mile Report Line	34
Start Levee Mile	1.37
End Levee Mile	1.37
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A rodent hole on the shoulder is very large. Photo taken spring 2012.	
johngw_s_20120504_755.jpg	



Levee Mile Report Line	35
Start Levee Mile	1.38
End Levee Mile	1.40
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Ivy completely covers the ground.	
johngw_s_20120313_054.jpg	



* Location LS : Land Side WS : Water Side CR : Crown

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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	36
Start Levee Mile	1.41
End Levee Mile	1.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Horsetail vegetation completely blocks levee slope. Fall 2011	
johngw_s_20120313_129.jpg	



Levee Mile Report Line	37
Start Levee Mile	1.56
End Levee Mile	1.56
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A tree has fallen and the roots have left a hole in the berm. Photo taken spring 2012.	
johngw_s_20120504_756.jpg	



Levee Mile Report Line	38
Start Levee Mile	1.62
End Levee Mile	1.63
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The hedge of trees make it hard to the toe of the levee. Photo taken spring 2012.	
johngw_s_20120504_757.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	39
Start Levee Mile	1.88
End Levee Mile	1.92
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The trees and vegetation makes it hard to see the toe.	
<i>johngw_s_20120313_056.jpg</i>	



Levee Mile Report Line	40
Start Levee Mile	1.91
End Levee Mile	1.91
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The house is on the crown with landscaping up to the shoulder.	
<i>johngw_s_20120313_057.jpg</i>	



Levee Mile Report Line	41
Start Levee Mile	1.91
End Levee Mile	1.95
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
<i>johngw_s_20120313_037.jpg</i>	



* Location LS : Land Side WS : Water Side CR : Crown
--

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	41
Start Levee Mile	1.91
End Levee Mile	1.95
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

johngw_s_20120313_038.jpg



Levee Mile Report Line	41
Start Levee Mile	1.91
End Levee Mile	1.95
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

johngw_s_20120313_039.jpg



Levee Mile Report Line	42
Start Levee Mile	2.04
End Levee Mile	2.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments

House is located on the levee slope and garden is terraced into the slope.

johngw_s_20120313_058.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	43
Start Levee Mile	2.81
End Levee Mile	2.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The wooden fence and building are along the toe of the levee.	
johngw_s_20120313_059.jpg	



Levee Mile Report Line	44
Start Levee Mile	2.82
End Levee Mile	2.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments
There is a building under the groundcover at the toe of the levee. Photo taken spring 2012.	
johngw_s_20120504_758.jpg	



Levee Mile Report Line	45
Start Levee Mile	2.85
End Levee Mile	2.86
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The garden area is at the toe of the levee.	
johngw_s_20120313_060.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	54
Start Levee Mile	3.04
End Levee Mile	3.10
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

johngw_s_20120313_045.jpg



Levee Mile Report Line	54
Start Levee Mile	3.04
End Levee Mile	3.10
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

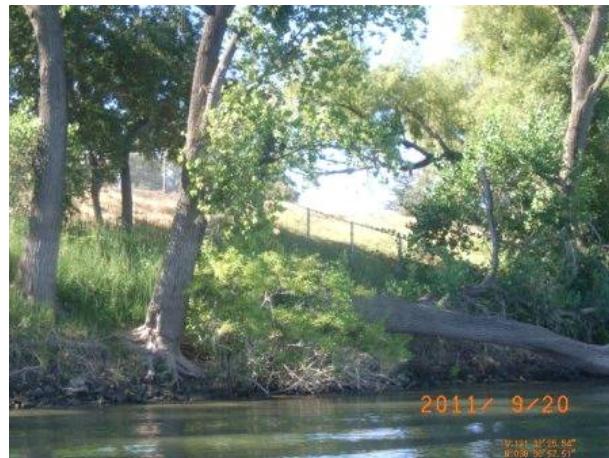
johngw_s_20120313_046.jpg



Levee Mile Report Line	54
Start Levee Mile	3.04
End Levee Mile	3.10
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

johngw_s_20120313_047.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

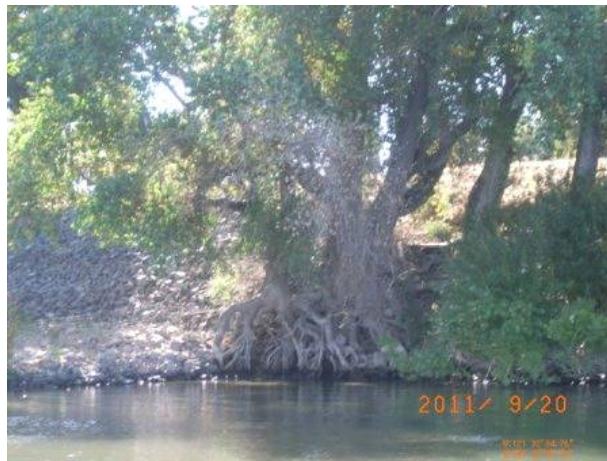
Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

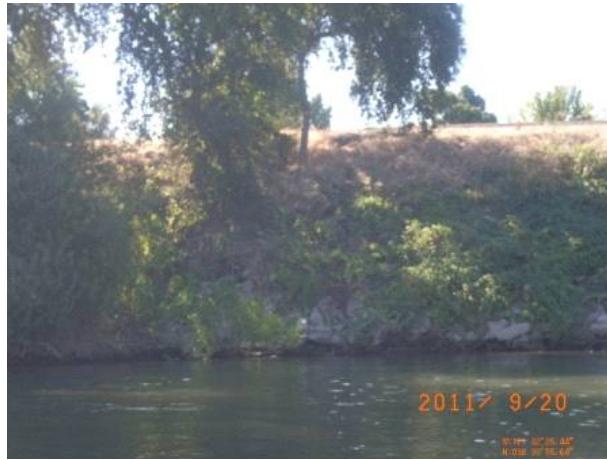
Levee Mile Report Line	55
Start Levee Mile	3.06
End Levee Mile	3.12
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Several homes have solid fences and make it hard to see.	
johngw_s_20120313_066.jpg	



Levee Mile Report Line	67
Start Levee Mile	3.27
End Levee Mile	3.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #1	
johngw_s_20120313_048.jpg	



Levee Mile Report Line	67
Start Levee Mile	3.27
End Levee Mile	3.29
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #2	
johngw_s_20120313_049.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	68
Start Levee Mile	3.28
End Levee Mile	3.30
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A fence and retaining wall with star jasmine growing on it blocks view of the toe. Fall 2011	
johngw_s_20120313_067.jpg	



Levee Mile Report Line	72
Start Levee Mile	3.33
End Levee Mile	3.56
Location	Land Side
Category	Earthen Levee
Item	Vegetation
A revegetation site. Photo taken spring 2012.	
johngw_s_20120504_759.jpg	



Levee Mile Report Line	72
Start Levee Mile	3.33
End Levee Mile	3.56
Location	Land Side
Category	Earthen Levee
Item	Vegetation
A revegetation site.	
johngw_s_20120504_760.jpg	



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LS : Land Side
WS : Water Side
CR : Crown

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+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	73
Start Levee Mile	3.34
End Levee Mile	3.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The wooden fence is along the toe of the levee.	
<i>johngw_s_20120313_068.jpg</i>	



Levee Mile Report Line	74
Start Levee Mile	3.60
End Levee Mile	3.62
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Rebuilding the fence with solid boards. Vines and shrubs completely block visibility.	
<i>johngw_s_20120313_069.jpg</i>	



Levee Mile Report Line	75
Start Levee Mile	3.62
End Levee Mile	3.65
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The hedge blocks the view of the levee berm. Photo taken spring 2012.	
<i>johngw_s_20120504_761.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	76
Start Levee Mile	3.65
End Levee Mile	3.69
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The fence is of solid construction and blocks visibility.	
<i>johngw_s_20120313_070.jpg</i>	



Levee Mile Report Line	95
Start Levee Mile	3.96
End Levee Mile	3.98
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Wooden stairs are on the waterside levee slope.	
<i>johngw_s_20120313_071.jpg</i>	



Levee Mile Report Line	96
Start Levee Mile	3.98
End Levee Mile	3.99
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Stairs are on the waterside levee slope.	
<i>johngw_s_20120313_072.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	100
Start Levee Mile	4.05
End Levee Mile	4.07
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The homeowner has planted cactus and other shrubs landscaped with steps. Fall 2011	
johngw_s_20120313_073.jpg	



Levee Mile Report Line	101
Start Levee Mile	4.07
End Levee Mile	4.08
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The homeowner has planted groundcover and installed retaining walls. Fall 2011	
johngw_s_20120313_074.jpg	



Levee Mile Report Line	106
Start Levee Mile	4.17
End Levee Mile	4.20
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fenced area with a walk through to the neighborhood. This is the City of Sacramento's property.	
johngw_s_20120313_075.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	107
Start Levee Mile	4.23
End Levee Mile	4.25
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Landscaping and a fence on levee slope.	
johngw_s_20120313_076.jpg	



Levee Mile Report Line	110
Start Levee Mile	4.30
End Levee Mile	4.32
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Chain link fence leaning towards the backyard with ice plant on the slope. The fence has been corrected.	
johngw_s_20120313_077.jpg	



Levee Mile Report Line	111
Start Levee Mile	4.31
End Levee Mile	4.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation
A revegetation site. Photo taken spring 2012.	
johngw_s_20120504_762.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	121
Start Levee Mile	4.50
End Levee Mile	4.50
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A small shed was built within the easement of the levee. Fall 2011	
<i>johngw_s_20120313_078.jpg</i>	



Levee Mile Report Line	128
Start Levee Mile	4.69
End Levee Mile	4.75
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Wooden fence along the levee toe makes visibility difficult.	
<i>johngw_s_20120313_079.jpg</i>	



Levee Mile Report Line	129
Start Levee Mile	4.73
End Levee Mile	4.73
Location	Land Side
Category	Earthen Levee
Item	Vegetation
A vegetable garden with terraces has been planted on the levee slope. Photo taken spring 2012.	
<i>johngw_s_20120504_763.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	130
Start Levee Mile	4.75
End Levee Mile	4.79
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees and shrubs are on the levee slope. Photo taken spring 2012.	
johngw_s_20120504_764.jpg	



Levee Mile Report Line	132
Start Levee Mile	4.99
End Levee Mile	5.03
Location	Land Side
Category	Earthen Levee
Item	Vegetation
A retaining wall with a fence on top and some groundcover. Photo taken spring 2012.	
johngw_s_20120504_765.jpg	



Levee Mile Report Line	133
Start Levee Mile	5.02
End Levee Mile	5.02
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The two story house was built at the toe of the levee.	
johngw_s_20120313_080.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	134
Start Levee Mile	5.03
End Levee Mile	5.04
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The landscape completely covers the levee slope. Photo taken spring 2012.	
<i>johngw_s_20120504_766.jpg</i>	



Levee Mile Report Line	135
Start Levee Mile	5.04
End Levee Mile	5.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The house is within the easement of the levee. Fall 2011	
<i>johngw_s_20120313_081.jpg</i>	



Levee Mile Report Line	136
Start Levee Mile	5.05
End Levee Mile	5.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The side of the barn is into levee toe.	
<i>johngw_s_20120313_082.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	137
Start Levee Mile	5.14
End Levee Mile	5.22
Location	Land Side
Category	Earthen Levee
Item	Vegetation
There is groundcover, trees and shrubs planted on the berm. Photo taken spring 2012.	
johngw_s_20120504_767.jpg	



Levee Mile Report Line	138
Start Levee Mile	5.23
End Levee Mile	5.29
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A fence and shrubs are on the levee slope. Fall 2011	
johngw_s_20120313_083.jpg	



Levee Mile Report Line	139
Start Levee Mile	5.29
End Levee Mile	5.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The landscape comes to the toe of the levee. Photo taken spring 2012.	
johngw_s_20120504_768.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

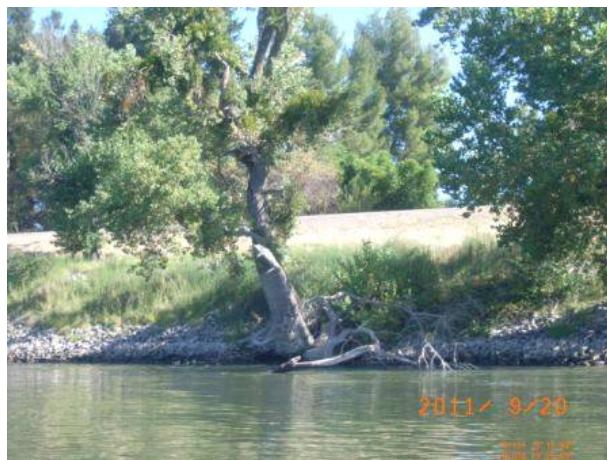
Levee Mile Report Line	140
Start Levee Mile	5.31
End Levee Mile	5.31
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The building encroaches into the levee.	
<i>johngw_s_20120313_084.jpg</i>	



Levee Mile Report Line	142
Start Levee Mile	5.35
End Levee Mile	5.35
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

<i>johngw_s_20120313_061.jpg</i>



Levee Mile Report Line	142
Start Levee Mile	5.35
End Levee Mile	5.35
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

<i>johngw_s_20120313_062.jpg</i>



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	143
Start Levee Mile	5.40
End Levee Mile	5.44
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The cedar tree covers the levee slope blocks visibility. Photo taken spring 2012.	
johngw_s_20120504_769.jpg	



Levee Mile Report Line	147
Start Levee Mile	5.55
End Levee Mile	5.81
Location	Water Side
Category	Earthen Levee
Item	Vegetation
A revegetation site along the berm. Photo taken spring 2012.	
johngw_s_20120504_770.jpg	



Levee Mile Report Line	147
Start Levee Mile	5.55
End Levee Mile	5.81
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The sign and irrigation pipe in revegetation site. Photo taken spring 2012.	
johngw_s_20120504_771.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	148
Start Levee Mile	5.55
End Levee Mile	5.58
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The landscape and fence blocks the view of the toe. Fall 2011	
johngw_s_20120313_085.jpg	



Levee Mile Report Line	149
Start Levee Mile	5.58
End Levee Mile	5.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A solid fence was built at the toe of the levee. Fall 2011	
johngw_s_20120313_086.jpg	



Levee Mile Report Line	150
Start Levee Mile	5.98
End Levee Mile	6.06
Location	Land Side
Category	Earthen Levee
Item	Vegetation
A newly planted garden at the toe of the levee. Photo taken spring 2012.	
johngw_s_20120504_772.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	151
Start Levee Mile	6.20
End Levee Mile	6.28
Location	Water Side
Category	Earthen Levee
Item	Vegetation

A revegetation site. Photo taken spring 2012.

johngw_s_20120504_773.jpg



Levee Mile Report Line	151
Start Levee Mile	6.20
End Levee Mile	6.28
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The slope has been mowed to the revegetation site.

johngw_s_20120504_774.jpg



Levee Mile Report Line	152
Start Levee Mile	6.90
End Levee Mile	6.90
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The redwood trees are blocking the view.

johngw_s_20120313_087.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	154
Start Levee Mile	7.32
End Levee Mile	7.32
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The landscape is borderline at the easement of the toe. Photo taken spring 2012.	
<i>johngw_s_20120504_775.jpg</i>	



Levee Mile Report Line	155
Start Levee Mile	7.38
End Levee Mile	7.39
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A solid fence and landscape need to be trimmed.	
<i>johngw_s_20120313_088.jpg</i>	



Levee Mile Report Line	156
Start Levee Mile	7.52
End Levee Mile	7.55
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Another solid fence along the slope.	
<i>johngw_s_20120313_089.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	159
Start Levee Mile	8.60
End Levee Mile	8.60
Location	Crown
Category	Earthen Levee
Item	Encroachments
This is the new East Bay MUD pumping plant.	
	
johngw_s_20120313_034.jpg	

Levee Mile Report Line	160
Start Levee Mile	8.85
End Levee Mile	10.63
Location	Crown
Category	Earthen Levee
Item	Encroachments
The railroad tracks are on the crown of the levee from here to Cliffs marina.	
	
johngw_s_20120313_090.jpg	

Levee Mile Report Line	161
Start Levee Mile	8.98
End Levee Mile	8.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The drain outlet on the east side of Freeport Blvd. Photo taken spring 2012.	
	
johngw_s_20120504_776.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	161
Start Levee Mile	8.98
End Levee Mile	8.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The drain inlet at the toe of the levee.	
johngw_s_20120504_777.jpg	



Levee Mile Report Line	162
Start Levee Mile	9.07
End Levee Mile	9.22
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

johngw_s_20120313_063.jpg



Levee Mile Report Line	162
Start Levee Mile	9.07
End Levee Mile	9.22
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

johngw_s_20120313_064.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	163
Start Levee Mile	9.20
End Levee Mile	9.20
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
The erosion site has a new rain coat placed on this winter. Photo taken spring 2012.	
<i>johngw_s_20120504_781.jpg</i>	



Levee Mile Report Line	164
Start Levee Mile	9.31
End Levee Mile	9.71
Location	Land Side
Category	Earthen Levee
Item	Encroachments
This view is the upstream side of Freeport Photo taken spring 2012.	
<i>johngw_s_20120504_782.jpg</i>	



Levee Mile Report Line	164
Start Levee Mile	9.31
End Levee Mile	9.71
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A view from the parking lot of the marina on the downstream side of Freeport.	
<i>johngw_s_20120504_783.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	181
Start Levee Mile	9.67
End Levee Mile	9.67
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The Freeport Bait shop is at the toe of the levee. Photo taken spring 2012.	
johngw_s_20120504_780.jpg	



Levee Mile Report Line	182
Start Levee Mile	9.67
End Levee Mile	9.69
Location	Water Side
Category	Earthen Levee
Item	Vegetation
There are trees, shrubs and groundcover on the waterside slope. Photo taken spring 2012. This Freeport Marina.	
johngw_s_20120504_779.jpg	



Levee Mile Report Line	183
Start Levee Mile	9.67
End Levee Mile	9.70
Location	Land Side
Category	Earthen Levee
Item	Vegetation
A view of the landscape on the levee slope. Photo taken spring 2012.	
johngw_s_20120504_778.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	184
Start Levee Mile	10.63
End Levee Mile	19.52
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The grasses are taller than 12". Photo taken spring 2012.

johngw_s_20120504_789.jpg



Levee Mile Report Line	185
Start Levee Mile	10.64
End Levee Mile	10.64
Location	Water Side
Category	Earthen Levee
Item	Encroachments

This is a photo of the flood wall that was installed earlier.

johngw_s_20120313_091.jpg



Levee Mile Report Line	185
Start Levee Mile	10.64
End Levee Mile	10.64
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Cliffs marina is on the waterside of the levee crown. The levee crown is HWY 160 and at this point the HWY drops off the crown. Fall 2011

johngw_s_20120313_092.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	186
Start Levee Mile	10.82
End Levee Mile	10.82
Location	Land Side
Category	Earthen Levee
Item	Vegetation

A view of the landscape. Photo taken spring 2012.

johngw_s_20120504_784.jpg



Levee Mile Report Line	187
Start Levee Mile	10.89
End Levee Mile	10.89
Location	Land Side
Category	Earthen Levee
Item	Vegetation

A view of the drive and landscape. Photo taken spring 2012.

johngw_s_20120504_785.jpg



Levee Mile Report Line	188
Start Levee Mile	10.94
End Levee Mile	10.94
Location	Land Side
Category	Earthen Levee
Item	Vegetation

A view of the horse corral and some landscape. Photo taken spring 2012.

johngw_s_20120504_786.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	189
Start Levee Mile	11.08
End Levee Mile	11.08
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The dense landscape on the levee slope. Photo taken spring 2012.	
johngw_s_20120504_787.jpg	



Levee Mile Report Line	190
Start Levee Mile	11.14
End Levee Mile	11.14
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The landscape shrubs and trees are on the levee slope and block visibility. Fall 2011	
johngw_s_20120313_113.jpg	



Levee Mile Report Line	191
Start Levee Mile	11.18
End Levee Mile	11.18
Location	Land Side
Category	Earthen Levee
Item	Vegetation
There is landscaping planted on the levee slope. Fall 2011	
johngw_s_20120313_112.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	192
Start Levee Mile	11.21
End Levee Mile	11.21
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscape trees are blocking visibility. Fall 2011	
<i>johngw_s_20120313_111.jpg</i>	



Levee Mile Report Line	194
Start Levee Mile	11.36
End Levee Mile	19.58
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The grasses are taller than 12". Photo taken spring 2012.	
<i>johngw_s_20120504_788.jpg</i>	



Levee Mile Report Line	195
Start Levee Mile	11.46
End Levee Mile	11.46
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The landscaping is planted on the levee slope and shoulder. Fall 2011	
<i>johngw_s_20120313_110.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	196
Start Levee Mile	11.50
End Levee Mile	11.50
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The landscape is planted on the levee slope with the trees and shrubs trimmed up. Fall 2011	
johngw_s_20120313_109.jpg	



Levee Mile Report Line	197
Start Levee Mile	11.67
End Levee Mile	11.67
Location	Land Side
Category	Earthen Levee
Item	Encroachments
The building and landscape shrubs are at the toe of the levee. Fall 2011	
johngw_s_20120313_108.jpg	



Levee Mile Report Line	198
Start Levee Mile	11.68
End Levee Mile	11.68
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Fence and shrubs are along the toe of the levee.	
johngw_s_20120313_107.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	200
Start Levee Mile	12.14
End Levee Mile	12.14
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Oleanders are planted on the levee toe and slope to screen the house.	johngw_s_20120313_106.jpg



Levee Mile Report Line	201
Start Levee Mile	12.54
End Levee Mile	12.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Groundcover has been planted on the levee slope.	johngw_s_20120313_114.jpg



Levee Mile Report Line	203
Start Levee Mile	12.90
End Levee Mile	12.90
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees, shrubs, groundcover, and lawn are planted on the levee.	johngw_s_20120313_105.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	204
Start Levee Mile	13.60
End Levee Mile	13.60
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Redwood trees screen a lawn area. The trees are at the toe .	
johngw_s_20120313_103.jpg	



Levee Mile Report Line	204
Start Levee Mile	13.60
End Levee Mile	13.60
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Steps and landscaping on slope in front of the house.	
johngw_s_20120313_104.jpg	



Levee Mile Report Line	205
Start Levee Mile	14.43
End Levee Mile	14.43
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees and shrubs planted along the toe and on the slope lining the drive.	
johngw_s_20120313_102.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	206
Start Levee Mile	14.93
End Levee Mile	14.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Painted brick wall acts as a sound barrier for the house on the levee.	
<i>johngw_s_20120313_116.jpg</i>	



Levee Mile Report Line	207
Start Levee Mile	15.29
End Levee Mile	15.29
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees and ivy are planted on the shoulder of the levee.	
<i>johngw_s_20120313_065.jpg</i>	



Levee Mile Report Line	209
Start Levee Mile	15.94
End Levee Mile	15.94
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Some cactus is planted at the toe of the levee. Fall 2011	
<i>johngw_s_20120313_101.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

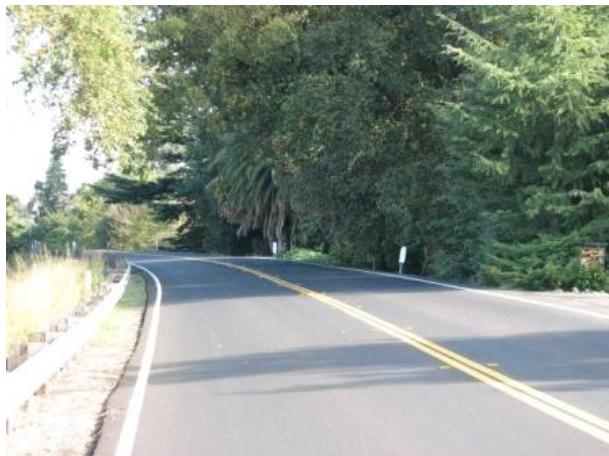
Levee Mile Report Line	210
Start Levee Mile	16.01
End Levee Mile	16.12
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The fence is at toe of the levee.



Levee Mile Report Line	211
Start Levee Mile	16.15
End Levee Mile	16.32
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The landscape vegetation is planted on the levee slope and shoulder. Fall 2011



Levee Mile Report Line	213
Start Levee Mile	16.34
End Levee Mile	16.66
Location	Land Side
Category	Earthen Levee
Item	Encroachments

No permit for fence at toe.



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	213
Start Levee Mile	16.34
End Levee Mile	16.66
Location	Land Side
Category	Earthen Levee
Item	Encroachments
No permit for fence at toe.	
<i>johngw_s_20120313_119.jpg</i>	



Levee Mile Report Line	216
Start Levee Mile	17.35
End Levee Mile	17.35
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees are planted along the toe of the landside slope.	
<i>johngw_s_20120313_099.jpg</i>	



Levee Mile Report Line	217
Start Levee Mile	17.59
End Levee Mile	17.59
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Trees and shrubs are planted to screen the house upstream of Hood. Fall 2011	
<i>johngw_s_20120313_098.jpg</i>	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	218
Start Levee Mile	17.69
End Levee Mile	17.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments
The crown of the levee at the town of Hood. Fall 2011	
johngw_s_20120313_093.jpg	



Levee Mile Report Line	219
Start Levee Mile	17.85
End Levee Mile	17.85
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Old pumphouse downstream of Hood building cuts into the toe of the levee. Fall 2011	
johngw_s_20120313_097.jpg	



Levee Mile Report Line	220
Start Levee Mile	18.31
End Levee Mile	18.31
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A metal fence is installed along the shoulder of the levee with trees in the yard.	
johngw_s_20120313_055.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	221
Start Levee Mile	18.40
End Levee Mile	18.40
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Groundcover and Redwood trees are planted on the slope and along the driveway.	
johngw_s_20120313_096.jpg	



Levee Mile Report Line	222
Start Levee Mile	18.57
End Levee Mile	18.57
Location	Land Side
Category	Earthen Levee
Item	Encroachments
A brick wall separates the roadway and the rest of the landscape on the levee. Fall 2011	
johngw_s_20120313_115.jpg	



Levee Mile Report Line	225
Start Levee Mile	19.06
End Levee Mile	19.06
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Wire fencing, trees and shrubs are planted along the toe of the levee.	
johngw_s_20120313_095.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Sacramento Maintenance Yard Maintenance Area 0009

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.61	05/01/2012 05/02/2012	John Williamson

Levee Mile Report Line	227
Start Levee Mile	19.18
End Levee Mile	19.22
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Oleanders line the driveway and are planted on the slope. Tall trees are planted at the toe. Fall 2011	
johngw_s_20120313_094.jpg	



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